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APPLICATION NO.	FIL	ING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO	
10/686,447	10	0/15/2003	Scott Edward Watson		6864	
7590 03/08/2005		03/08/2005		EXAM	EXAMINER	
Scott Edward 4841 Winton V		1	SNIEZEK, ANDREW L			
San Jose, CA 95124				ART UNIT	PAPER NUMBER	
•				2651		
				DATE MAILED, 02/09/2006		

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)
Office Anti-us Comments	10/686,447	WATSON, SCOTT EDWARD
Office Action Summary	Examiner	Art Unit
	Andrew L. Sniezek	2651
The MAILING DATE of this communication appeariod for Reply	ppears on the cover sheet with	the correspondence address
A SHORTENED STATUTORY PERIOD FOR REP THE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CFR 1 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a re - If NO period for reply is specified above, the maximum statutory perio - Failure to reply within the set or extended period for reply will, by statu Any reply received by the Office later than three months after the mail earned patent term adjustment. See 37 CFR 1.704(b).	I. 1.136(a). In no event, however, may a reply eply within the statutory minimum of thirty (3 bd will apply and will expire SIX (6) MONTHS ute, cause the application to become ABANI	by be timely filed 0) days will be considered timely. S from the mailing date of this communication. DONED (35 U.S.C. § 133).
Status		
1) Responsive to communication(s) filed on 15	October 2003.	
2a) This action is FINAL . 2b) ⊠ Th	nis action is non-final.	
3) Since this application is in condition for allow closed in accordance with the practice under		•
Disposition of Claims		
4) Claim(s) 1-4 is/are pending in the application 4a) Of the above claim(s) is/are withdr 5) Claim(s) is/are allowed. 6) Claim(s) 1-4 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and	rawn from consideration.	
Application Papers		
9) The specification is objected to by the Examir	ner.	
10)⊠ The drawing(s) filed on <u>15 October 2003</u> is/ar		
Applicant may not request that any objection to th		
Replacement drawing sheet(s) including the corre		
Priority under 35 U.S.C. § 119		
 12) Acknowledgment is made of a claim for foreig a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 	nts have been received.	
3. Copies of the certified copies of the pri		
		served in this National Stage
	au (PC) Rule 1/2(a))	
application from the International Bure		eived.
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application from the International Burea * See the attached detailed Office action for a lis		ceived.
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DETAILED ACTION

Drawings

1. The drawings filed 10/15/03 are acceptable to the Examiner.

Specification

2. The abstract of the disclosure is objected to because it contains the word "means" reserved for use in claims. Correction is required. See MPEP § 608.01(b).

Claim Objections

3. Claim 4 is objected to under 37 CFR 1.75(a) because of the following informalities: The phrases "the drive chassis" and "the host device chassis" are not adequately described previously in the claim and therefor do not particularly point out or distinctly claim the subject matter regarded as the invention as presently used. Appropriate correction is required.

Claim Rejections - 35 USC § 103

- 4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 5. Claims 1 and 3 are rejected under 35 U.S.C. 103(a) as being unpatentable over Bajorek et al. (US005264975A) in view of applicant's admitted prior art (figures 1A, 1B, 2A and 2B)
- 6. Bajorek et al. teaches a disk storage device that includes a first head, a first positioning mechanism, a first spindle motor and a first microprocessor, a second head,

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a second positioning mechanism a second spindle motor and a second microprocessor (see figures 1 and 2 and 7). Claim 1 additionally sets forth a single electronic interface connection which transfers communications to and from a host device and both microprocessors. In Bajorek et al. a single interface connection (52) is used to interface between each microprocessor (which can be read on elements 40, 41) and a using system. It is not clear that the using system is a host device as claimed although clearly such a connector is used in computer arrangements. Applicants admitted prior art (figures 1A, 1B, 2A and 2B) clearly teaches that connectors similar to that described by Bajorek et al. are commonly used in computer arrangements to interface with a host device which provides commands to the storage devices. It would have been obvious to one of ordinary skill in the art at the time of the invention to incorporate the teaching of applicants admitted prior art into the arrangement of Bajorek et al. to enable a host device to provide the overall commands for controlling the storage and retrieval opinformation of the storage devices. Claim 3 sets forth very similar limitations with the interconnecting circuitry between the microprocessors and the host device being claimed as a single printed circuit board. Clearly this feature is satisfied by element (51) of Bajorek et al. and would have been obviously been combined with the teaching of applicants admitted prior art for the same reasons discussed above. Claim Rejections

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7. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- 35 USC § 102

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(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

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8. Claims 1-4 are rejected under 35 U.S.C. 102(b) as being anticipated by Hatchet et al. (US005422767A). Hatchet et al. teaches a single disk drive that encloses two distinct drives (figures 1, 5 and 9) along with corresponding disclosure which can have shared components (column 7, lines 1-5). Claim 1 in addition to the specifics of each drive sets forth that a single electronic interface connection transfers communications between the drives and a host. This feature is satisfied by connector (223) depicted in figure 9 used for interfacing between a host and at least two drives. Claim 2 in addition to the specifics of each drive sets forth a single electronic power connection to transfer power from a host to the microprocessors. This feature is satisfied by connector (221) used to power at least two drives. Claim 3 in addition to the specifics of each drive sets forth a single printed circuit board which feature is satisfied by circuit board (17). Claim 4 in addition to the specifics of each drive sets forth a single mounting means attaching the drive chassis to a host chassis. This feature is deemed satisfied by column 2, lines 36-42.

Conclusion

9. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. US 20030200478A1, US006377471B1, US005953513A, US 20040072473A1 each disclose features related to the claimed invention.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Andrew L. Sniezek whose telephone number is 703-308-1602. The examiner can normally be reached on Mon.-Fri..

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sinh N Tran can be reached on 703-305-4040. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

> and I high Andrew L. Sniezek **Primary Examiner** Art Unit 2651

A.L.S. 3/4/05